

Title (en)
THERMOPLASTIC RESIN COMPOSITE MATERIAL MODIFIED WITH NON-METALLIC MATERIAL AND PRODUCT MANUFACTURING METHOD USING THE SAME

Title (de)
MITHILFE EINES NICHTMETALLISCHEN MATERIALS MODIFIZIERTES THERMOPLASTISCHES HARZVERBUNDATERIAL UND PRODUKTHERSTELLUNGSVERFAHREN DAMIT

Title (fr)
MATÉRIAU COMPOSITE DE RÉSINE THERMOPLASTIQUE MODIFIÉ AVEC UN MATÉRIAU NON MÉTALLIQUE ET PROCÉDÉ DE FABRICATION DE PRODUITS UTILISANT CELUI-CI

Publication
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Application
EP 10765922 A 20100810

Priority
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• CN 2010001211 W 20100810

Abstract (en)
[origin: US2011316187A1] The invention relates to nonmetal material modified thermoplastic resin composite, comprising the following materials by weight percentages: 50-70% of filling, 25-40% of polypropylene, 3-6% of maleic anhydride modified polypropylene, 1-3% of titanium dioxide and 1-2% antioxidant. Said filling has been modified by stearic acid. The invention also provides a method for producing products like sanitary wares, hardware of sanitary wares, outdoor products, decorative pipes of external walls and decorations of public scenes using the nonmetal material modified thermoplastic resin composite. The raw materials are widely available and the preparation does not require long-time burning with high energy consumption, thus possessing the advantages such as low energy consumption, high mechanical automation degree, low labor intensity, and high yield, which is applicable to industrial mass production. The invented nonmetal material modified thermoplastic resin composite is applicable to the production of sanitary wares, hardware of sanitary wares, outdoor products, decorative pipes of external walls and decorations of public scenes.

IPC 8 full level
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CPC (source: EP KR US)
B29C 45/0013 (2013.01 - EP US); **C08K 3/22** (2013.01 - KR); **C08K 3/346** (2013.01 - EP US); **C08K 9/04** (2013.01 - KR); **C08L 23/12** (2013.01 - EP KR US); **C08L 23/28** (2013.01 - KR); **B29B 9/02** (2013.01 - EP US); **B29B 9/12** (2013.01 - EP US); **B29C 48/022** (2019.01 - EP US); **B29C 48/09** (2019.01 - EP US); **B29K 2023/12** (2013.01 - EP US); **C08K 3/014** (2017.12 - EP US); **C08K 3/26** (2013.01 - EP US); **C08K 5/005** (2013.01 - EP US); **C08K 5/1345** (2013.01 - EP US); **C08K 2003/2241** (2013.01 - EP US); **C08K 2003/265** (2013.01 - EP US); **C08L 51/06** (2013.01 - EP US)

C-Set (source: EP US)
C08L 23/12 + **C08K 3/346** + **C08L 51/06**

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